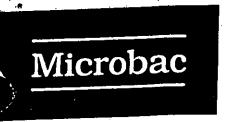
ATTACHMENT

C



Microbac Laboratories, Inc. Bradford Division

P.O. Box 489, Bradford, Pennsylvania 16701 Phone: (814) 368-6087 Fax: (814) 368-6091

e-mail: bradforddiv@microbac.com

INDOOR AIR QUALITY SURVEY

At

Unicor F.C. I. McKean Rt. 59 and Big Shanty Road Lewis Run, PA 16738

Work Order No.: 9931-444

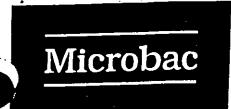
Date of Sampling: July 31, 2001

Performed For: Unicor Factory

Report Reviewed By:

April G. Lang

Laboratory Director



Microbac Laboratories, Inc. Bradford Division

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e-mail: bradforddiv@microbac.com

SUMMARY

At the request of Roger Reinard of Unicor F.C. I. McKean, an Indoor Air Quality Survey was performed in the Unicor Factory on July 31, 2001. The sampling was performed from 7:00 a.m. until 3:45 p.m. The reason for the sampling was an OSHA complaint regarding dust in the air at the facility.

The sampling parameters requested were total and respirable particulates. The collection media was matched weight filter and the analysis method was NIOSH 0500 for total particulates and NIOSH 0600 for respirable particulates.

Two field technicians, April Lang and Mike Francis, arrived at the facility at 0600 hours and proceeded to the Unicor Factory. After consultation with the staff is was decided to set up the pumps and air sampling equipment at the following sites:

Router Station
Large Panel Saw Area
CNC Machine Area
Radial Arm Saw Area
Weeke Point to Point Machine Area
Edge Bander Area

The pumps were set up and testing began between 0730 and 0745 hours such that eight hours was achieved for the total sampling time at each area. At this time one of the field technicians, April Lang, left the site and Mike Francis remained on site to check the status of the equipment and filters during the testing. The pumps and filters were disassembled between 1530 and 1545 hours and the field technician left the premises.

Results can be found on the attached Certificate of Analysis. The OSHA standard for Total Particulates/Nuisance Dust is 15 mg/cubic meter and 5.0 mg/cubic meter for Respirable Particulates/Respirable Nuisance Dust. As per our report none of the samples exceeded these limits.

Marcines Laboratories 1962006 BRADFORD DIVISION

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CERTIFICATE OF ANALYSIS

UNICOR F.C.I. MCKEAN

P.O. BOX 5000

Microbac

BRADFORD

PA 16701

Date Reported 8/13/01 7/31/01 Date Received Order No. 9931-00444 008032 Invoice No: F009 Cust #

1501

7/31/01 Sampled Date 00:00 Sampled Time

DATE

Sample Id

UNITS

15

RESULT

Permit No

TEST

4700046491 Cust P.O.

Subject:

PARTICULATE IN AIR TESTING, 7/31/01

METHOD

ROUTER STATION - TOTAL PARTICULATES, 0730 - 1530 HRS.

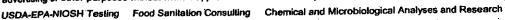
#PF 7/33/81 AIR TEST INFORMATION N P F :7/33/01 YPF SAMPLED BY: HPP 7/31/01 MATCHED REIGHT FILTER JHG MEDIA MPF 7/31/01 MPF PERATOR HPF 7731791 9931-444-1 cr/tube number Abt. 7/11/01 1/31/01 SAMPLING DATE Mist 480 MUNUTES 7/31/01 SAMPLING TIME 7/31/01 MPF LITERS/NIA 3.0 PLOW RATE 7/31/91 MILE 1440 LITERS **JOLUNE OF AIR SAMPLED** 0.1 8/09/01 MG/MJ <0.2 NIOSH 0500 PARTICULATES, TOTAL

ROUTER STATION - RESPIRABLE PARTICULATES, 0730 - 1530 HRS.

1411 7731761 IR TEST INFORMATION HP1 7/31/04 MPF AMPLED BY: 41:1 PILTER 2/31/01 MATCHED WEIGHT AMPLING MEDIA MPF 7/31/91 MPF UNP OPERATOR MFF 7/31/91 9931-444-2 ILTER/TUBE RUNRER MP1 7/31/01 7/31/01 AMPLING DATE ur. 7731791 HIRUTES 480 AMPLING TIME 생발 7/31/01. 1.7 LITERS/NIR LOW RATE MPF 1/11/91 LITERS 816 OLUME OF AIR SAMPLED ERI 8/69/01 #G/#3 (1) 4 MIOSH 0600 ARTICULATES, RESPIRABLE

Certificate Of Analysis Continued On Next Page

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BRADFORD

PA 16701

 Date Reported
 8/13/01

 Date Received
 7/31/01

 Order No
 9931-00444

 Invoice No
 008032

 Cust #
 F009

Page 5 of 10

Sampled Date Sampled Time Sample Id 7/31/01 00:00

Permit No

Cust P.O. 4700046491

Subject:

PARTICULATE IN AIR TESTING, 7/31/01

TEST HETHOD RESULT UNITS DATE

LARGE PANEL SAW AREA - TOTAL PARTICULATES, 0733 - 1533 HRS.

AIR TEST INFORMATION				7/34/94	81.4
SAMPLED BY:		MPF		7/31/01	MPF
ING MEDIA		MATCHED REIGHT	FILTER	7/31/01	MEE
		MPF	•	7/31/01	MPF
PERATOR /TURE NUMBER	•	9931-444-3		7/31/01	MPF
		7/31/01		7/31/01	KPF
SARPLING DATE		480	MINUTES	7/31/01	KPF
SAMPLING TIME	•	3.0	LITERS/HIN	7/31/01	MPF
FLOW RATE	**	1440	LITERS	7/31/01	MPF
VOLUME OF AIR SAMPLED	N108H 0500	0.3	NG/NJ	8/09/01	ERI
PARTICULATES, TOTAL .		• • • •	•		

LARGE PANEL SAW AREA - RESPIRABLE PARTICULATES, 0733 - 1533

TAKOT LYMPE OF			·-		
HRS. PARTICULATES, RESPIRABLE	NIOSH 0600	<0.4	MC/N)	8/09/61 7/31/91	eri Pri
VIR TEST INFORMATION SAMPLED BY:		MPF		7/31/21	M1-5
AMPLING WEDIA		MATCHED VEIGHT	PHATER	3731/91	Hbh.
PUMP OPERATOR		MPF		7731791	M.A.
ILTER/TOBE NOMBER		9931-444-4		7/31/01	MPF
AMPLING DATE		7/31/01	•	1/31/01	MFF
AMPLING TIME		480	RIRUTES	7/31/91	HLA
LOW RATE	•	1.1	LITERS/MIN	7/31/01	MPF
OLUME OF AIR SAMPLED		816	i, iters	7/31/01	KPF

Certificate Of Analysis Continued On Next Page

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UNICOR	F.	C.	Ī		MCKEAN
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PA 16701

8/13/01 Date Reported Date Received 7/31/01 9931-00444 Order No. 008032Invoice No. F009 Cust # 7/31/01 Sampled Date

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Sampled Time

00:00

Sample Id

Permit No

Cust P.O. 4700046491

Subject:

PARTICULATE IN AIR TESTING, 7/31/01

METHOD

TEST

CNC MACHINE AREA - TOTAL PARTICULATES, 0736 - 1536 HRS.

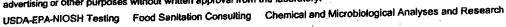
	•	the second secon		7/34/94	E1.1.
AIR TEST INFORMATION		HPF		7/11/01	M h L
SAMPLED BY:		MATCHED WEIGHT	FILTER.	7/31/01	WP.
ING MEDIA	•	MPF		7/31/01	MLL
PERATOR		9931-444-5		7/31/94	HPF
TUBE NUMBER		7/31/01		7/31/01	March
SAMPLING DATE	•	480	MINUTES	7/31/01	Nph.
SAMPLING TIME	•	3.0	LITERS/MIR	7/31/01	- M.E.
FLOW RATE	• • • • • • • • • • • • • • • • • • • •	1440	LITERS	7/31/91	hbt.
VOLUME OF AIR SAMPLED	niosh osoo	<0.2	MG/K3	8/09/01	ERI
PARTICULATES, TOTAL	hinen shee		-		

CNC MACHINE AREA - RESPIRABLE PARTICULATES, 0736 - 1536 HRS.

OLUME OF AIR SAMPLED PARTICULATES, RESPIRABLE	NIOSH 0600 <0.4 MG/M3	8/09/01 ER1
LOW RATE	816 LITERS	7/31/01 BPV
SAMPLING TIME	1.7 LITERS/MI	
SAMPLING DATE	480 KINUTES	7/31/01 RPF
FILTER/TUBE NUMBER	7/31/01	7/31/01 REF
PUMP OPERATOR	9931-444-6	7/31/91 RPF
SAMPLING MEDIA	KPF	7/31/01 MPF
SAMPLED BY:	WATCHED WEIGHT FILTER	7/31/01 MPF
AIR TEST INFORMATION	up r	7/3)/01 HPF
•		1/31/01 RPF

Certificate Of Analysis Continued On Next Page

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UNICOR F.C.I. MCKEAN	Date Reported 8/13/01 Date Received 7/31/01
P.O. BOX 5000	Order No 9931-00444 Invoice No 008032
BRADFORD PA 16701	Cust # F009 Sampled Date 7/31/01 Sampled Time 00:00
Permit No Cust P.O. 4700046491	Sample 1d

Subject:	PARTICULATE	IN AIR	TESTING,	7/31/01		•	
TEST		KETHOD		RESULT	STINU	DATE	TECR
1 20 1							

	 	CO CO A I	PARTICULATES.	0737	_	1537	HRS.	

AIR TEST INFORMATION				7/31/01 7/31/01	M6k Mbk
SAMPLED BY:		MPF			494 494
ING MEDIA		MATCHED WEIGHT	FILTER	7/31/01	Mich
PERATOR	· ·	MPF		7/31/01	
R/TUBE HUKBER		9931-444-7		7/31/01	MAL
SAMPLING DATE	•	7/31/01:		1/11/01	KLL
SAMPLING TIME	·	480	RIBUTES	7/31/01	Hb.
		3.0	LITERS/HIN	7/31/01	Mbh
FLOW RATE		1440	LITERS	7/3(/01	Abt
VOLUME OF AIR SAMPLED	NIOSH 0500	0.2	MG/HJ	8/09/01	ek i
PARTICULATES, TOTAL					
RADIAL ARM SAV	v AREA - RESPIRABLE	PARTICULATES,	0737 - 15	37	
HRS.				7/31/01	M1.E
AIR TEST INFORMATION		KPL	•	7/31/91	HI:
RAMPLED BY:	(C)		FILTER	1/31:01	Hirk
TAMPLING REDIA		MATCHED WEIGHT	I I I I I I I I I I I I I I I I I I I	1/31/01	455
OMP OPERATOR	•	APF		7/31/01	MPF
ILTER/TUBE NUMBER		9931-444-8		7/31/01	HPF
AMPLING DATE		7/31/01			äbk
AMPLING TIME		490	HINUTES	1/31/01	
LOW RATE		1.7	CITERS/MIN	7/31/01	MPF
		816	LITERS	1/11/01	Nbb
OLUME OF AIR SAMPLED ARTICULATES, RESPIRABLE	hiosh oeod	<0.4	MG/M3	8709701	HR1 .

Certificate Of Analysis Continued On Next Page



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8/13/01 Date Reported 7/31/01 Date Received 9931-00444 Order No 008032 Invoice No : F009

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Cust # 7/31/01 Sampled Date 00:00 Sampled Time

DATE

Sample Id

Permit No

4700046491 Cust P.O.

Subject:

PARTICULATE IN AIR TESTING, 7/31/01

HETHOD TEST

WEEKE POINT TO POINT - TOTAL PARTICULATES, 0745 - 1545 HRS.

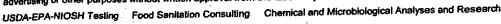
		A Company of the Comp	1731791 2001
AIR TEST INFORMATION		MPF	7/31/01 MPF
SAMPLED BY:		MATCHED WEIGHT FILTER	7/31/01 MPE
THE MEDIA	•	MPF	7/31/01 MPF
PERATOR	•	9931-444-9	7/31/01 MPF
TUBE NUMBER		7/31/01	7/31/01 MPF
SAMPLING DATE		480 HINUTES	7/31/01 MEF
SAMPLING TIME		3.0 LITERS/MIN	7/31/01 MPF
FLOW RATE		1440 LITERS	7/31/01 BPF
VOLUME OF AIR SAMPLED	HIOSH OSOO	<0.2 HG/HJ	8/09/01 FEL.
PARTICULATES, TOTAL	utan ana	1010	

POINT - RESPIRABLE PARTICULATES, 0745 - 1545

WEEKE POINT TO	EGIMI - KESLIKADER	I AKI I GODINGO Y	•	·	
HRS.				7/31/91	ypr
AIR TEST INFORMATION		HPF		7/31/81	HPF
SAMPLED BY:		MATCHED WEIGHT	FILTER	7/31/01	MPF
SAMPLING MEDIA	•	Was		7/31/01	HPF
PUMP OPERATOR		9931-444-10		. 7/11/01	KPF
PILTER/TUBE NUMBER	•	7/31/01		7/31/01	REE
SAMPLING DATE		489	RINUTES	7/31/91	HIF
SAMPLING TIME	•	1.7	LITERS/MIN	7/33/01	ዘቦም
FLOW RATE		816	LITERS	7/31/01	HPF
VOLUME OF AIR SAMPLED	NIOSH 0600	<0.4	MG/W3	8/99/01	ERI
PARTICULATES, RESPIRABLE	hitch kana			•	

Certificate Of Analysis Continued On Next Page

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 Date Reported
 8/13/01

 Date Received
 7/31/01

 Order No
 9931-00444

 Invoice No
 008032

 Cust #
 F009

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Sampled Date Sampled Time 7/31/01

Sample Id

00:00

Permit No

Cust P.O. 4700046491

Subject: PARTICULATE IN AIR TESTING, 7/31/01

ect: PARTICODALD IN ALK IDDITIO, 7/51/01

TEST METHOD RESULT UNITS DATE

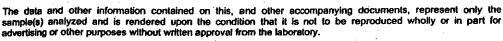
EDGE BANDER - TOTAL PARTICULATES, 0735 - 1535 HRS.

AIR TEST INFORMATION		•	•		7/31/91	MLE
SAMPLED BY:			MPF	•	7/31/01	MI: k
_ ING MEDIA			MATCHED WEIGHT	PILTER	7/31/91	HPF
PERATOR			KPF		7/31/01	HI.E
A/TUBE NUMBER	•		9931-444-11		7/31/01	KPF
SAMPLING DATE			7/31/01		7/31/01	MPF
SAMPLING TIME		. •	480	MINUTES	7/31/01	HPF
FLOW RATE			1.0	LITERS/MIA	7/31/01	grf
VOLUME OF AIR SAMPLED			1440	LITERS	7/31/01	MPF
PARTICULATES, TOTAL	N108H 0500		<0.2	MG/M3	8/69/01	ER I

EDGE BANDER - RESPIRABLE PARTICULATES, 0735 - 1535 HRS.

AIR TEST INFORMATION			• .	- 1/31/54	RPF	
SAMPLED BY:		KPF		7/31/91	HEF	
SAMPLING MEDIA	•	MATCHED WEIGHT	FILTER	7/31/9)	NI 6	
PUMP OPERATOR		KPF		7/31/01	a Male	
FILTER/TUBE NUMBER		9931-444-12		7/31/91	MIF	
SAMPLING DATE		7/31/01		7/31/01	R.L.E.	
SAMPLING TIME		480	MINUTES	7/31/01	Alth	
FLOW RATE		1.7	LITERS/WIR	7/31/01	- Khi	
VOLUME OF AIR SAMPLED		816	LITERS	7/3[/0]	NI n	
PARTICULATES, RESPIRABLE	N108H 0600	<04	KG/KJ	\$709701	ERI	

Cortificate Of Analysis Continued On Next Page







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8/13/01 Date Reported 7/31/01 Date Received 9931-00444 Order No 🗀 008032Invoice No F009 Cust # 7/31/01 Sampled Date

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Sampled Time

00:00

Sample (d

Permit No

4700046491 Cust P.O.

Subject:

PARTICULATE IN AIR TESTING, 7/31/01

TEST

METHOD

RESULT

UNITS

TECHNICIAN TIME

TECHNICIAN CHARGE

ALYSES BY PA LABS:

42-060 25-067

